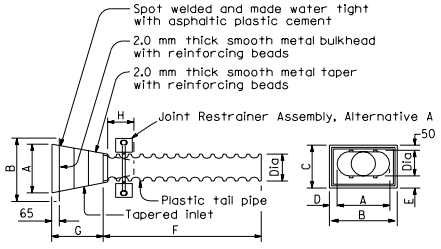


PLAN END VIEW

ENTRANCE TAPER - TYPE 1

Plastic Pipe dimensions as tabulated below

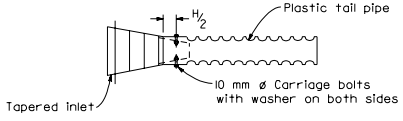
P (mm)	250	375	450	525	675
Q (mm)	200	300	375	450	600

DIA (mm)	MIN L	M (mm)	N (mm)
200	3 m	450	200
300	5 m	500	300
375	8 m	600	375
450	9 m	750	400
600	12 m	900	450

Taper joints may be welded or riveted. Dimensions to be as tabulated below.

DIA (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (m)	G (m)	H (m)
200	410	650	380	120	130	1.8	0.6	300
300	460	650	485	95	135	1.8	0.6	300
375	540	770	585	115	160	1.8	0.6	350
450	610	860	685	125	185	1.8	0.6	400
600	870	1170	890	150	240	1.2	1.2	450

ENTRANCE TAPER - TYPE 1

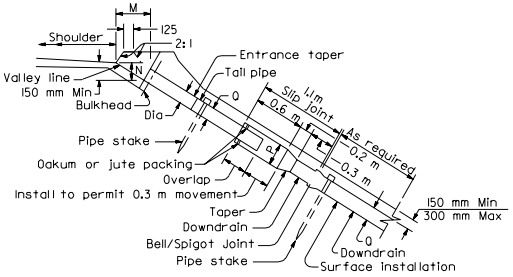


PLAN

Alternative tail pipe to entrance pipe connection

DETAIL A

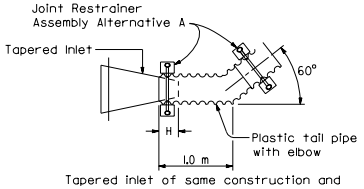
(See Note 7)



SECTION (TYPE 1)

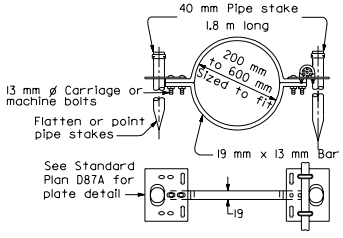
NOTE

1. Cable or slip joint to be used when specified.
2. Slip joint to be omitted when completely buried.

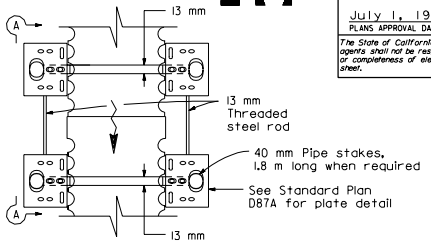


Tapered inlet of same construction and dimensions as Type 1.

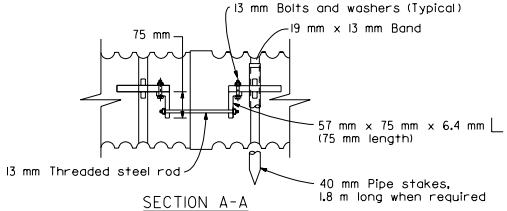
ENTRANCE TAPER - TYPE 2



PLASTIC PIPE
JOINT RESTRAINER ASSEMBLY
Alternative A



PLAN



SECTION A-A
PLASTIC PIPE
JOINT RESTRAINER ASSEMBLY
Alternative B

NOTES

1. All hardware to be galvanized after fabrication. All pipe stakes to be either galvanized after fabrication, or be fabricated from pre-galvanized pipe. If pre-galvanized pipe is used, weld areas shall be cleaned, and painted with zinc-rich primer.
2. See Standard Plan D87A for details of entrance taper placement at dike.
3. Pipe stakes to be used with joint restrainer when specified.
4. Plastic pipe and fittings used for overside drains shall be from one manufacturer for each installation.
5. Entrance taper "H" dimension is length of insertion of metal taper into plastic pipe.
6. For cable anchorage system details, see Standard Plan D87C.
7. At contractors option, tail pipe and tapered inlet may be supplied from manufacturer as a pre-connected unit as shown in Detail A.

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Caltrans Metric

REGISTERED CIVIL ENGINEER

July 1, 1999
PLANS APPROVAL DATE

Glenn DeCou
No. C34547
Exp. 9-30-99
CIVIL
STATE OF CALIFORNIA

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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PLASTIC PIPE DOWNDRAIN DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

D87B

1999 STD. PLAN D87B